UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 05516/056003

Total Pages in this Submission

TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application

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Trans				filing under 35	U.S.0	C. 111(a) and	37 C.F.R. 1.53	(b) is a new utility patent ap	plication for an
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If a C	ONT	NUA	TION AP	PLICATION,	check	appropriate b	ox and supply	the requisite information:	
\boxtimes	Conti	nuat	ion 🗆	Divisional		Continuation	-in-part (CIP)	of prior application No.:	09/635,116
Whic	h is a	•							
	Conti	nuat	ion 🗆	Divisional		Continuation	-in-part (CIP)	of prior application No.:	09/524,088
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<u>U</u> (Conti	nuat	ion 🗆	Divisional	Ų	Continuation	-in-part (CIP)	of prior application No.:	
Enclo	sed a	ire:				Application	n Elements		•
1.	×	Filin	o fee as	calculated and	d trans	smitted as des	cribed below		
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2.	\boxtimes	Spe	cification	having		38	pages and ir	ncluding the following:	
	a.	X	Descript	tive Title of the	Inve	ntion			
	b.	X	Cross R	eferences to	Relate	ed Applications	s (if applicable)		
	C.		Stateme	ent Regarding	Fede	rally-sponsore	d Research/De	velopment (if applicable)	
	d.		Referen	ce to Sequen	ce List	ting, a Table, d	or a Computer	Program Listing Appendix	
	e.	\boxtimes	Backgro	ound of the Inv	entior	1			
	f.	\boxtimes	Brief Su	mmary of the	Inven	tion			
	g.	X	Brief De	scription of th	e Drav	wings (if filed)		22511	
	h.	X	Detailed	l Description		·		22511 PATENT TRADEMARK OFFICE	3
	i.	X	Claim(s)) as Classified	Belov	N			
	j.	X	Abstract	t of the Disclo	sure				

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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Total Pages in this Submission

Application Elements (Continued)

3.	\boxtimes	Drawing(s) (when necessary as prescribed by 35 USC 113)
	a.	
	b.	☐ Informal Number of Sheets
4.	\boxtimes	Oath or Declaration
	a.	☐ Newly executed (original or copy) ☐ Unexecuted
	b.	☑ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
	C.	☑ With Power of Attorney ☐ Without Power of Attorney
	d.	DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5.		Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6.		CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7.		Application Data Sheet (See 37 CFR 1.76)
8.		Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)
	a.	□ Computer Readable Form (CRF)
	b.	☐ Specification Sequence Listing on:
		i. CD-ROM or CD-R (2 copies); or
		ii. 🔲 Paper
	C.	☐ Statement(s) Verifying Identical Paper and Computer Readable Copy
		Accompanying Application Parts
9.		Assignment Papers (cover sheet & document(s))
10.		37 CFR 3.73(B) Statement (when there is an assignee)
11.		English Translation Document (if applicable)
12.		Information Disclosure Statement/PTO-1449 Copies of IDS Citations
13.	\boxtimes	Preliminary Amendment
14.	X	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15.		Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.	\boxtimes	Certificate of Mailing
		☐ First Class ☒ Express Mail (Specify Label No.): EV403793733US

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

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Total Pages in this Submission

		Accompanying Application Parts (Continued)
17.		Additional Enclosures (please identify below):
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)
18.		Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
		Warning
		An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.
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UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

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Docket No. 05516/056003

Total Pages in this Submission

Fee Calculation and Transmittal

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w. le amount of y overpayment. ny additional fili le issue fee set	ing fees required t t in 37 C.F.R. 1.18	s filing fee. under 37 C.F at the maili	F.R. 1.16 and 1.17 ng of the Notice of ### Onathan P. Osha, F. OSENTHAL & O	F Allowance, Signature Reg. No. 33,986 SHA L.L.P.	
16	e issue fee se	•	e issue fee set in 37 C.F.R. 1.18 at the maili o 37 C.F.R. 1.311(b).	Jonathan P. Osha, F	#45,079

CC:

Telephone: 713/228-8600 Facsimile: 713/228-8778

CERTIFICATE OF MADE Applicant(s): Sujian HU.	MAILING BY "EXPRESS ANG et al.	MAIL" (37 CFR 1.10)	Docket No. 05516/056003			
Serial No. Unknown	Filing Date Herewith	Examiner Unknown	Group Art Unit Unknown			
Invention: METHOD FO ROLLER CO	OR SIMULATING DRILLING ONE BIT DESIGN	OF ROLLER CONE BITS AND I	TS APPLICATION TO			
I hereby certify that the	following correspondence:					
	Utility Pate	nt Application w/Declaration				
ŧ	(Identify type of correspondence)					
is being deposited with	the United States Postal Serv	ice "Express Mail Post Office to A	Addressee" service under 37			
CFR 1.10 in an envelo	pe addressed to: Commissione	er for Patents, P.O. Box 1450, Ale	exandria, VA 22313-1450 on			
	12/29/2003					
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CERTIFICATE OF M	AILING BY "EXPRES!	S MAIL" (37 CFR 1.10)	Docket No.
Applicant(ε): · SùĴian HUA	NG et al.		05516/056003
Serial No.	Filing Date	Examiner	Group Art Unit
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	R SIMULATING DRILLING NE BIT DESIGN	OF ROLLER CONE BITS AND IT	TS APPLICATION TO
I hereby certify that the fo	ollowing correspondence:		
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is being deposited with t	he United States Postal Ser	vice "Express Mail Post Office to A	ddressee" service under 3
CFR 1.10 in an envelope	addressed to: Commissior	ner for Patents, P.O. Box 1450, Alex	xandria, VA 22313-1450 o
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